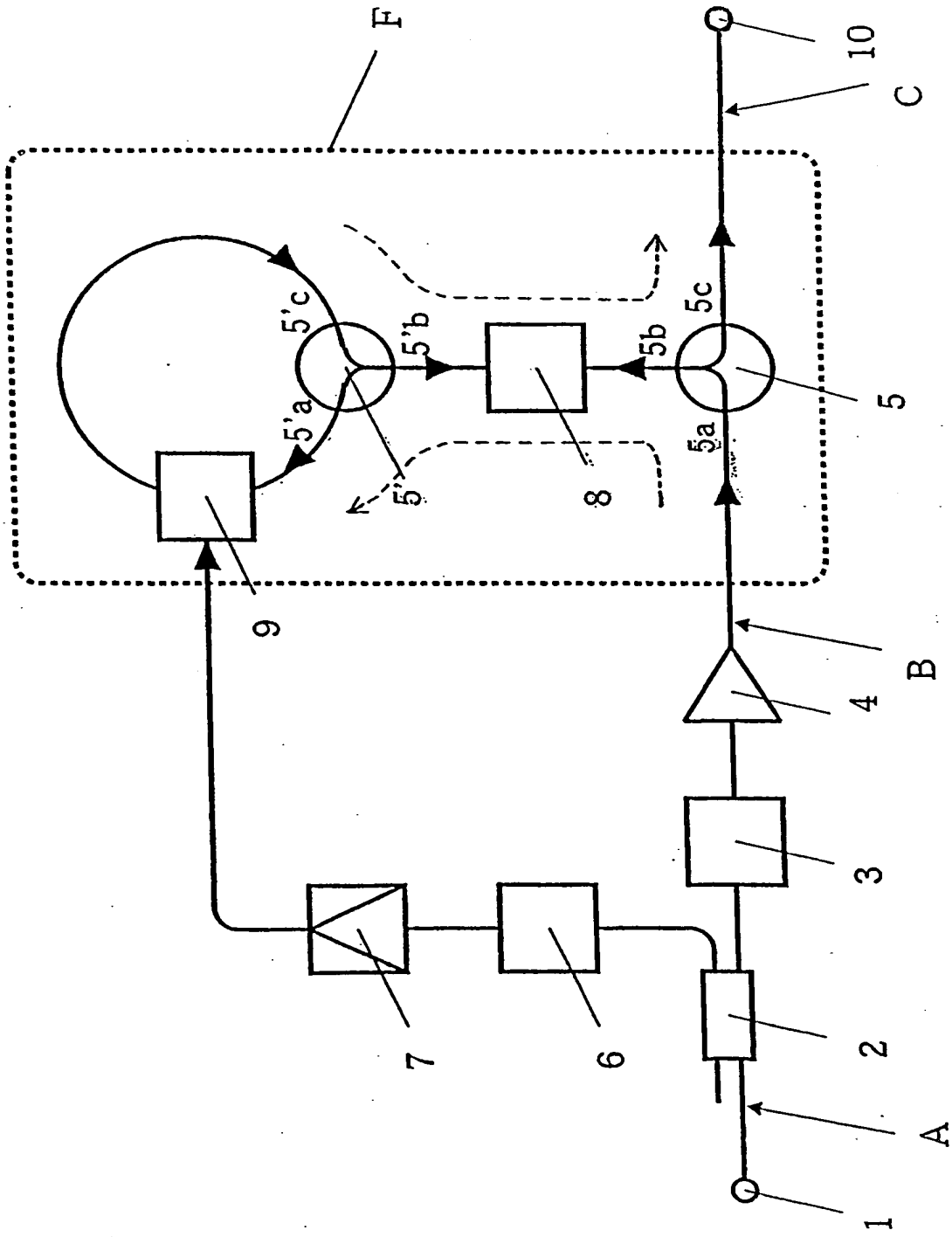


FIG. 1

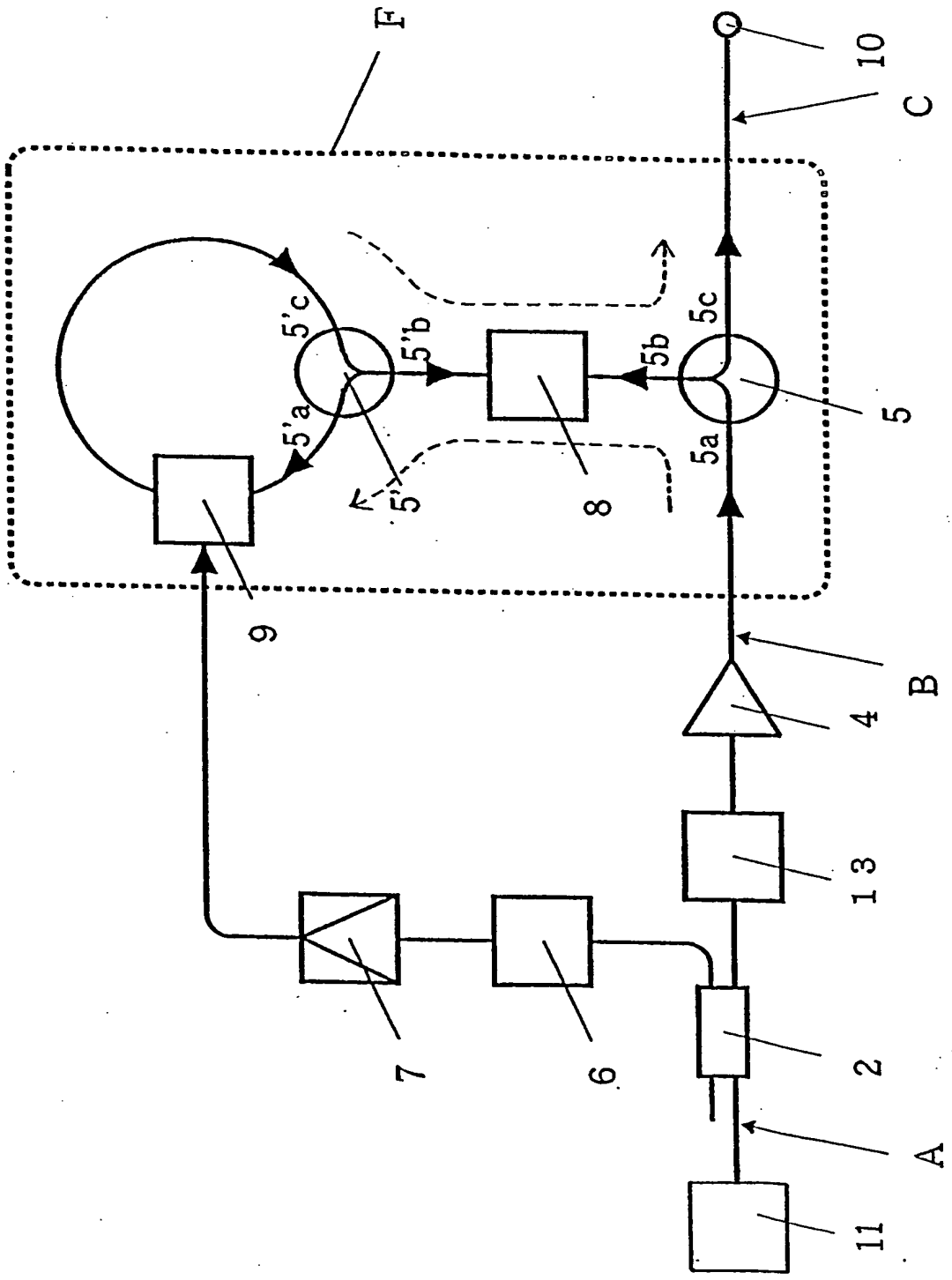


FIG. 2

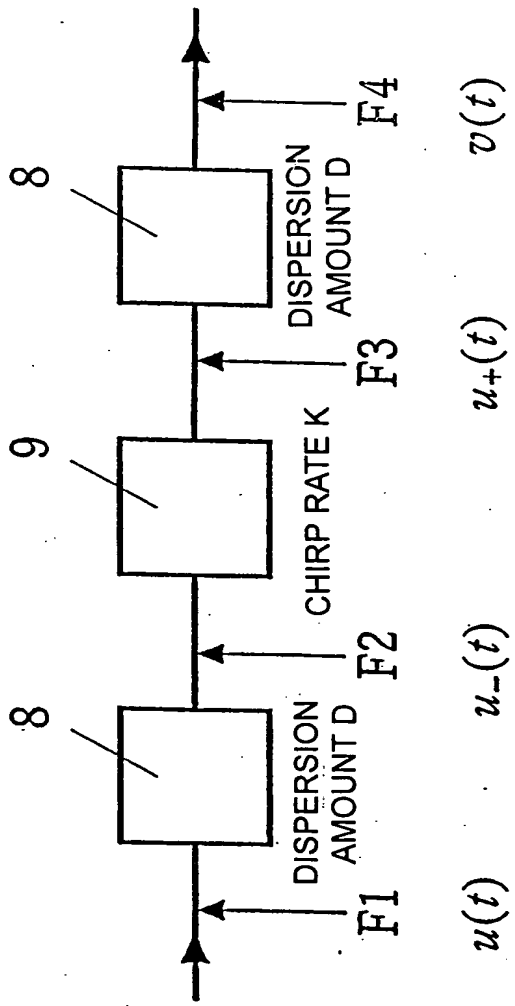
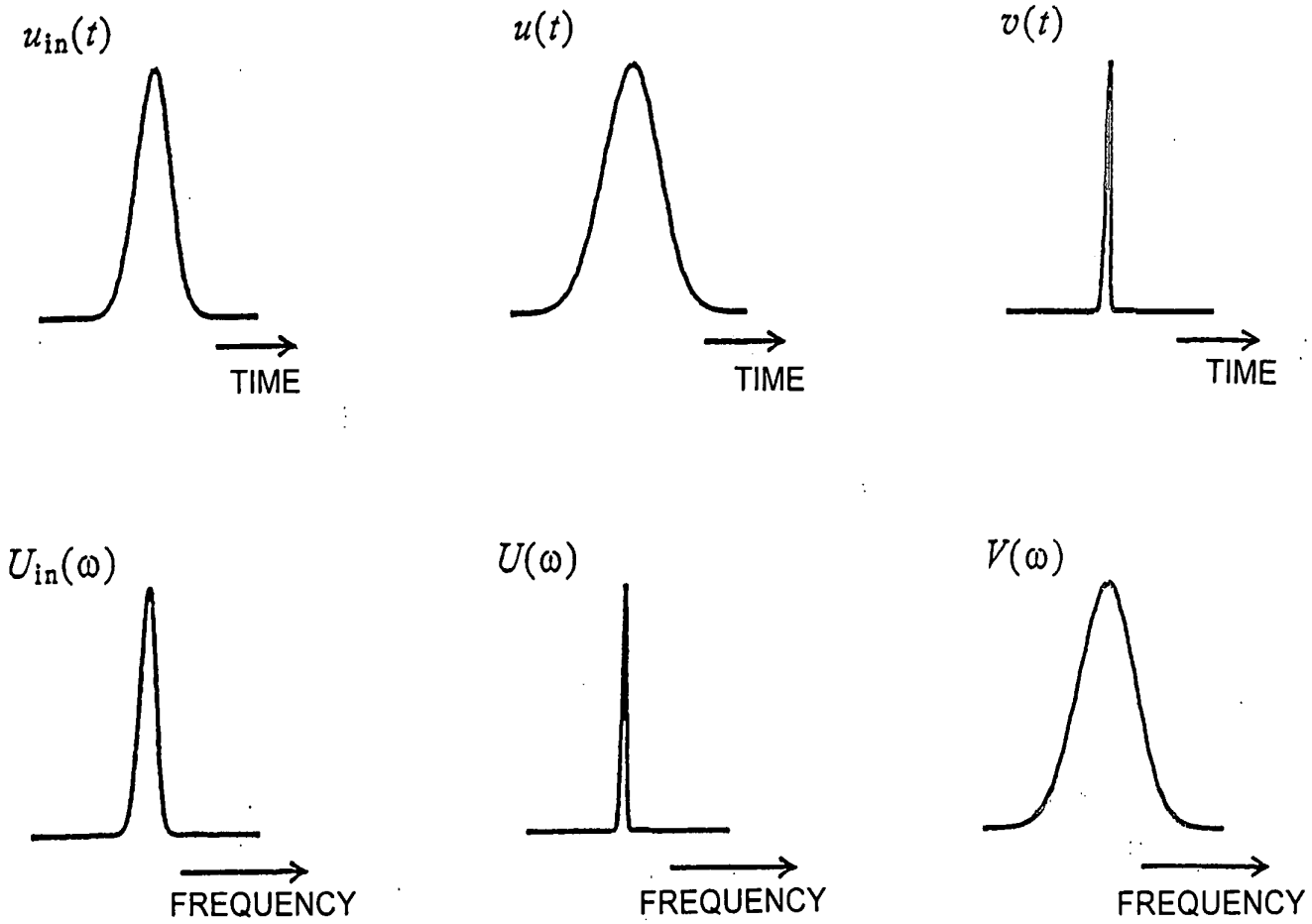

8
DISPERSION AMOUNT D
F1
u(t)
8
DISPERSION AMOUNT D
F2
u_(t)
9
CHIRP RATE K
F3
u+(t)
8
DISPERSION AMOUNT D
F4
v(t)

FIG. 3

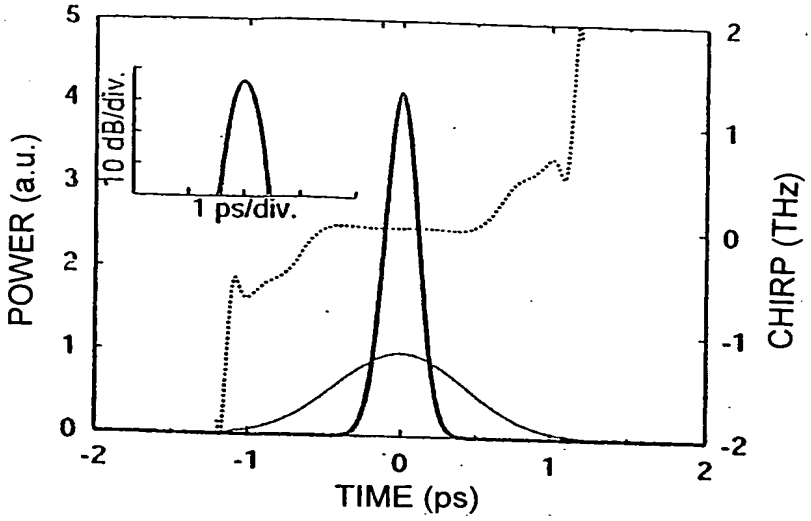


(a) INPUT PULSE TO BE COMPRESSED

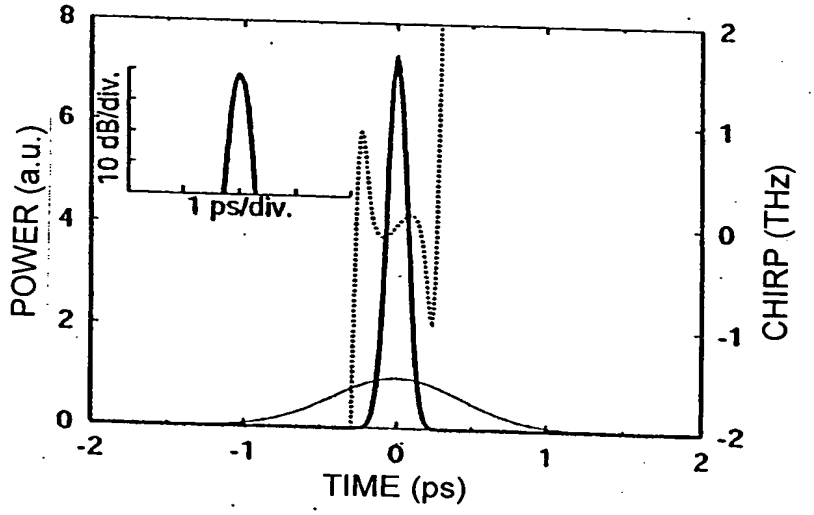
(b) OPTICAL PULSE AFTER OPTICAL FILTER AND IMMEDIATELY BEFORE OPTICAL FOURIER TRANSFORM

(c) COMPRESSED OPTICAL PULSE

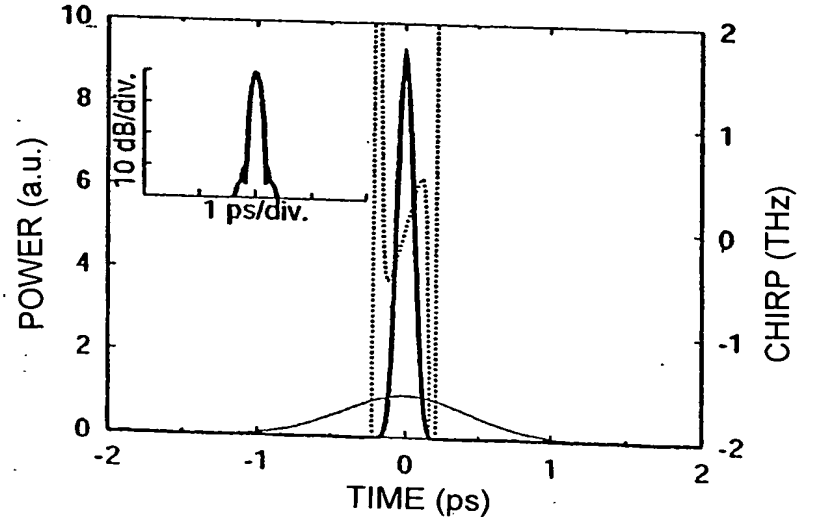
FIG. 4



(a) Ω_f=447 rad-GHz



(b) Ω_f=258 rad-GHz



(c) Ω_f=200 rad-GHz

FIG. 5

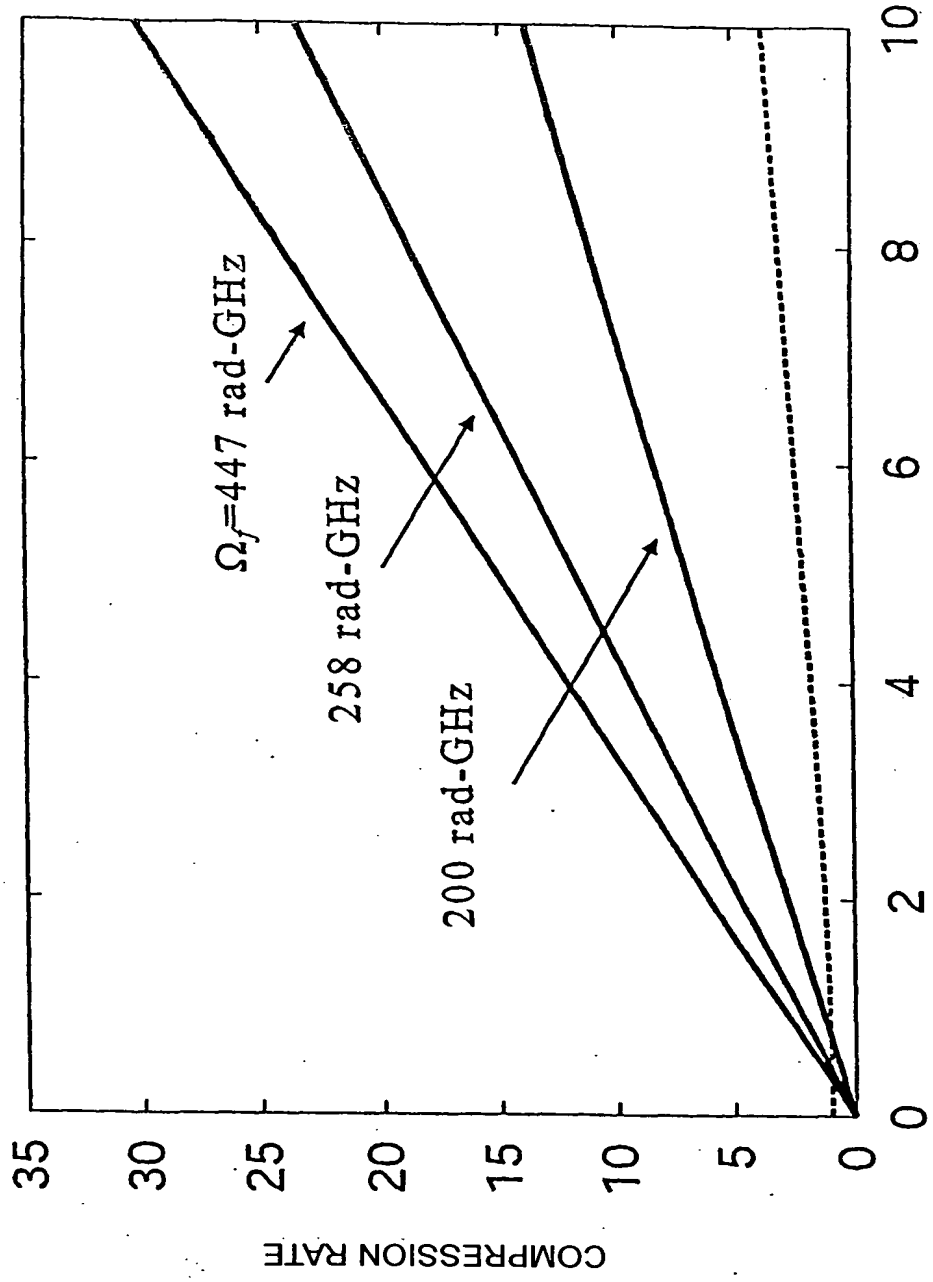

COMPRESSION RATE
35
30
25
20
15
10
5
0
0
2
4
6
8
10
K, 1/ps²
Ωf=447 rad-GHz
258 rad-GHz
200 rad-GHz

FIG. 6

FIG. 7

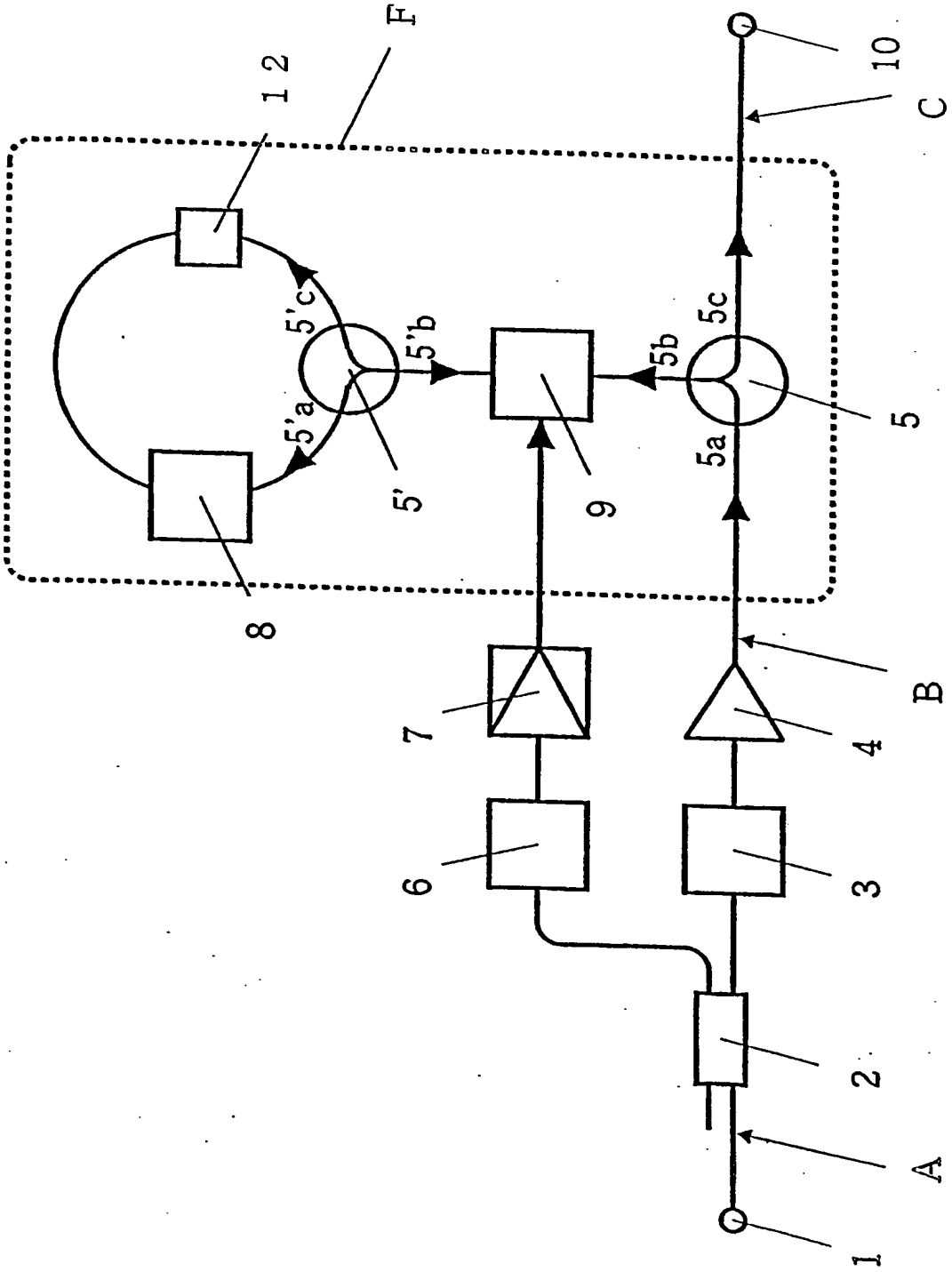


FIG. 8

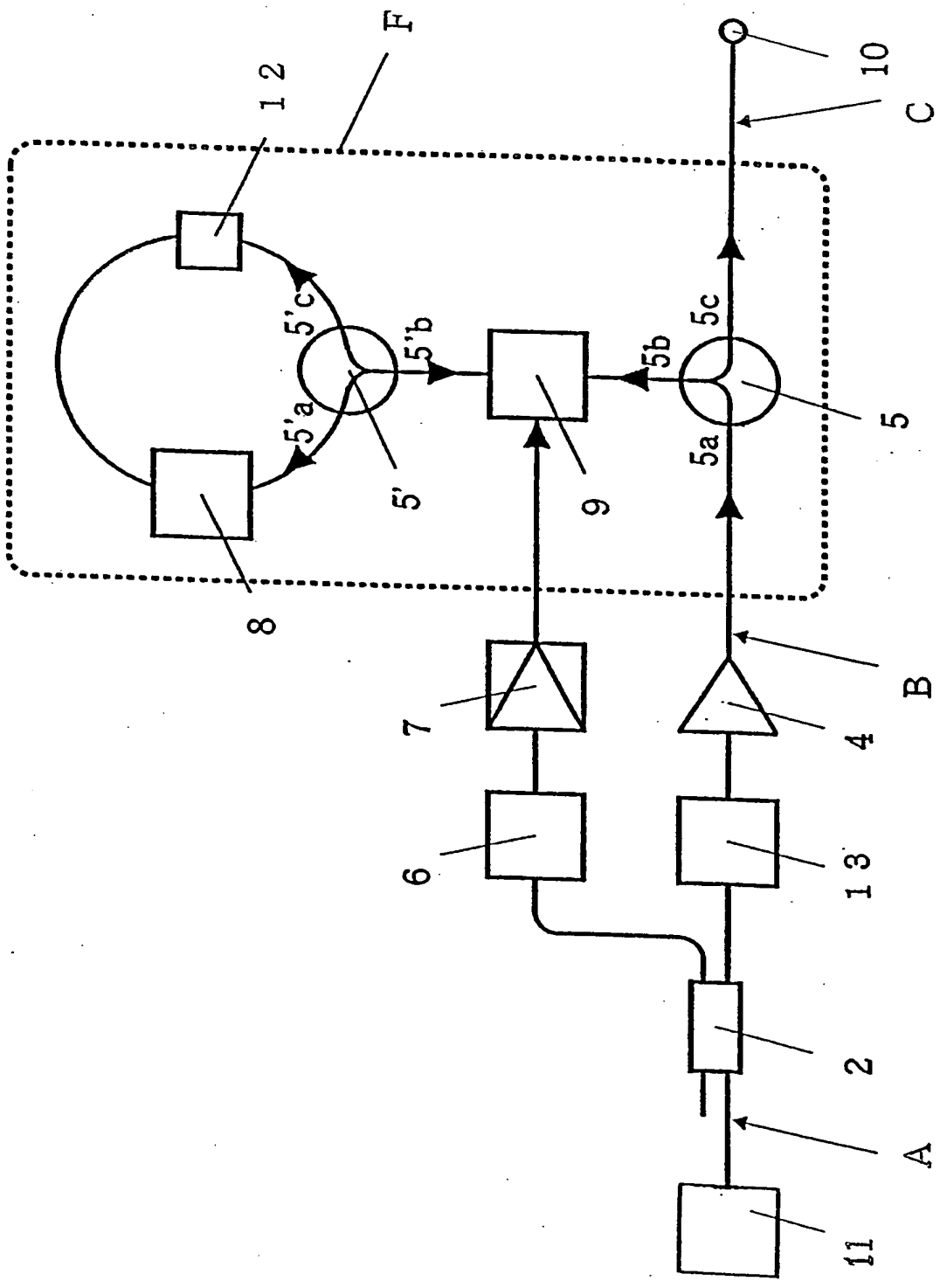
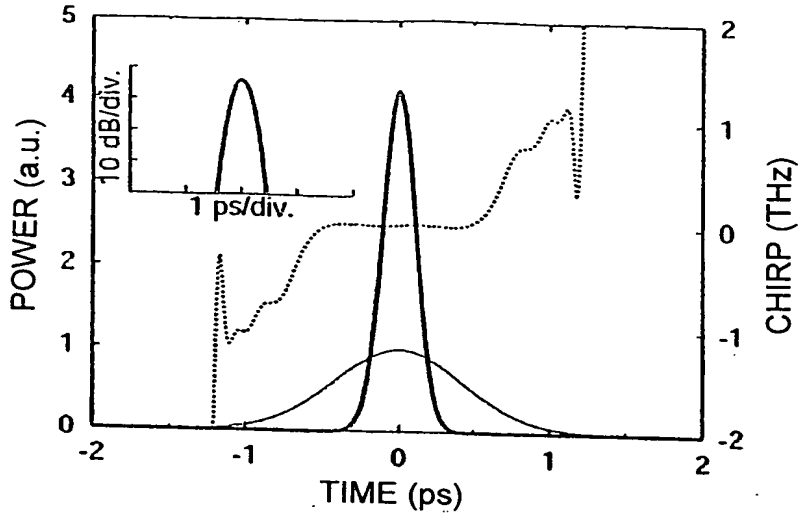
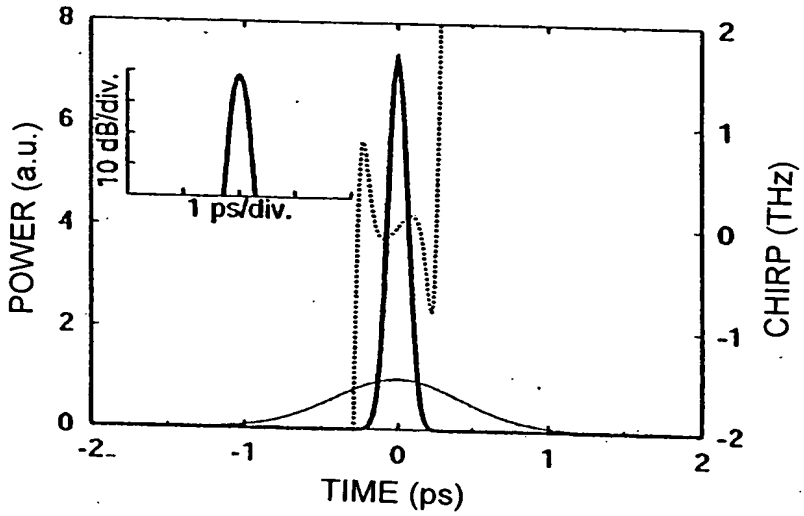


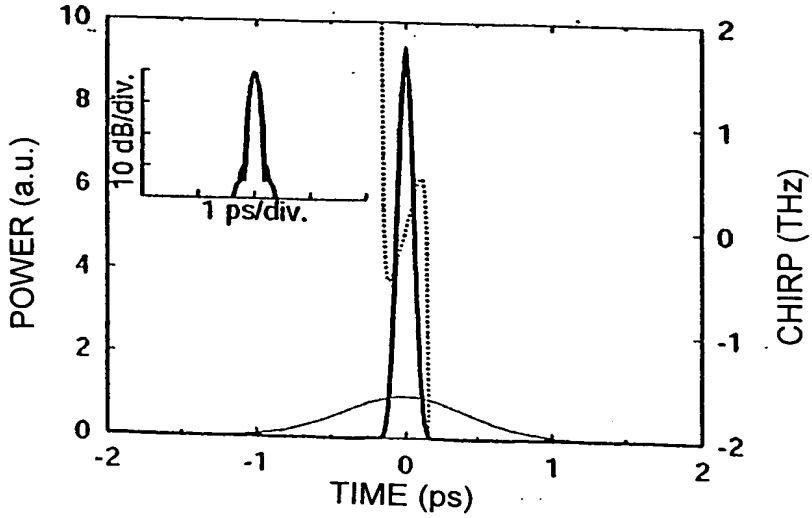
FIG. 9



(a) Ω_f=447 rad-GHz



(b) Ω_f=258 rad-GHz



(c) Ω_f=200 rad-GHz

FIG. 10